

ELA & Math Proficiency

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- **At the highest level the calculation remains unchanged**
- **Percent Proficient $\div$ Interim Target**
 - If Percent Proficient $\div$ Interim Target $\geq 1 \Rightarrow$ 100 points
 - If Percent Proficient $\div$ Interim Target $< 1 \Rightarrow$ Ratio $\times$ 100 points
- **Percent Proficient = Students proficient on all tests $\div$ Students Tested (or 95% of those who should have)**
 - 3-8: Levels 4 & 5 on IAR and 3 & 4 on DLM
 - 9-12: Levels 3 & 4 on SAT and DLM
- **Interim Targets**
 - Vary by student group and subject
 - Increase annually

ELA & Math Proficiency – New for 2022

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- Indicator math changes for **elementary & middle schools** with **new grade group interim targets**

Grade Groups = [3 & 4] [5 & 6] [7 & 8]

- **Why 3 groups?** Why not 2 groups or by single grade?
 - Balancing trends in the 2021 data (greater impacts at lower grades) against value of keeping n-sizes as large as possible
- **What if I don't have all the grades in a band?**
 - New formula maintains the relative size of the grade group to the whole
- **At what level does the 20-student minimum apply?**
 - At the school/student group level
- **At what level does the 95 percent testing requirement apply?**
 - Also at the school/student group level
 - If applied lower, the denominator could exceed 95% of the group size

ELA & Math Proficiency: (ES) Example

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	ELA			Math		
	3 & 4	5 & 6	7 & 8	3 & 4	5 & 6	7 & 8
All	A 642			641		
Number Proficient	B 114	66	34	88	54	21
Denominator	212.80	202.35	194.75	212.80	202.35	193.80 C
Raw (Percent Proficient)	D 53.57%	32.62%	17.46%	41.35%	26.69%	10.84%
Annual Interim Target	21.90%	22.59%	23.54%	21.00%	17.18%	18.01% E
Grade Group (GG) Weight	F 34.89%	33.18%	31.93%	34.95%	33.23%	31.83%
Preliminary GG Indicator Score	153.54	98.31	54.67	118.34	80.31	34.05 G
Indicator Score	H 100.00			78.88		
Low Income		367			367	
Number Proficient	32	26	11	22	22	7
Denominator	101.65	125.4	121.6	101.65	125.4	121.6
Raw (Percent Proficient)	31.48%	20.73%	9.05%	21.64%	17.54%	5.76%
Annual Interim Target	8.95%	9.69%	11.41%	7.12%	5.41%	6.76%
Grade Group (GG) Weight	29.16%	35.97%	34.88%	29.16%	35.97%	34.88%
Preliminary GG Indicator Score	107.98	57.65	25.94	74.23	48.78	16.51
Indicator Score		61.26			44.94	
White		173			173	
Number Proficient	57	29	14	52	27	9
Denominator	74.1	54.15	36.1	74.1	54.15	36.1
Raw (Percent Proficient)	76.92%	53.55%	38.78%	70.18%	49.86%	24.93%
Annual Interim Target	32.84%	33.19%	34.01%	32.43%	26.16%	26.90%
Grade Group (GG) Weight	45.09%	33.15%	21.97%	45.09%	32.95%	21.97%
Preliminary GG Indicator Score	170.61	161.54	176.56	155.65	151.33	113.50
Indicator Score		100.00			100.00	

A. Total students in group, a.k.a. to be tested

B. Number proficient

C. Denominator – if a decimal, likely <95%.
Check by:

$$\text{A} * 0.95 * \text{F} = \text{C}$$

D. $\text{B} \div \text{C} = \text{D}$
(displayed as percent)

E. Static value, increases annually

F. Number to be tested in grade group $\div \text{A} = \text{F}$
(displayed as percent)

$$\text{D} \div \text{E} * 100 = \text{G}$$

$$\begin{aligned} \text{H} = & (3\&4 \text{ G} * 3\&4 \text{ F}) \\ & + (5\&6 \text{ G} * 5\&6 \text{ F}) \\ & + (7\&8 \text{ G} * 7\&8 \text{ F}) \end{aligned}$$

H



ELA & Math Proficiency – New for 2022 (ES)

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To Calculate:

1. Determine the overall participation rate of the student group
 - If **≥95% denominator** = number students tested
 - If **<95% denominator** = [number students should have tested] * 0.95
2. Determine **grade weight** (i.e. the size of the grade group relative to the whole)
 - Group students in grades 3 & 4 ÷ total students in group
 - Group students in grades 5 & 6 ÷ total students in group
 - Group students in grades 7 & 8 ÷ total students in group
3. If necessary, multiply the **<95% denominator** from step 1 by the **grade weight** in step 2 to find the **grade group denominator**
4. Determine the **grade group percent proficient**
 - (Grade group students proficient ÷ Grade group denominator)
5. Determine the **grade group indicator score**. May exceed 100
 - (Grade group percent proficient ÷ grade group interim target) * 100
6. Multiply the grade group indicator scores by the grade weight
 - (Grade group indicator score * grade weight) = **weighted grade indicator score**
7. Sum the weighted grade indicators scores to get the group indicator score.
If score > 100, cap at 100.



ELA & Math Proficiency: (ES) Example

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	ELA			Math		
	3 & 4	5 & 6	7 & 8	3 & 4	5 & 6	7 & 8
English Learners	85			A 85		
Number Proficient	B 2	0			1	0
Denominator		36	45		37	45
Raw (Percent Proficient)	D 5.56%	0.00%			2.70%	0.00%
Annual Interim Target		1.94%	2.12%		1.57%	1.55%
Grade Group (GG) Weight	F 44.71%	55.29%			45.12%	54.88%
Preliminary GG Indicator Score		286.60	0.00		171.97	0.00
Indicator Score	H 100.00				77.59	

Math shown with 2 decimal places for reporting.

Actual calculation uses 15 decimal places.

A. Total to be tested = 85

B. Grade Group 5&6 = 2 | Grade Group 7&8 = 0

C. Not a decimal, so number tested = 81 in ELA | 82 in math

D. $2 \div 36 = .556$ or 5.56% | $0 \div 45 = 0.0$ or 0.0%
 $1 \div 37 = .270$ or 2.70% | $0 \div 45 = 0.0$ or 0.0%

E. ELA Grade Group 5&6 = .194 or 1.94%
 ELA Grade Group 7&8 = .212 or 2.12%
 Math Grade Group 5&6 = .157 or 1.57%
 Math Grade Group 7&8 = .155 or 1.55%

F. ELA Grade Group 5&6: $38 \div 85 = .4471$ or 44.71%
 ELA Grade Group 7&8: $47 \div 85 = .5529$ or 55.29%
 Math Grade Group 5&6: $38 \div 85 = .4471$ or 44.71%
 Math Grade Group 7&8: $47 \div 85 = .5529$ or 55.29%

G. ELA Grade Group 5&6: $(5.56 \div 1.94) * 100 = 286.60$
 ELA Grade Group 7&8: $(0.0 \div 2.12) * 100 = 0.00$
 Math Grade Group 5&6: $(2.70 \div 1.57) * 100 = 171.97$
 Math Grade Group 7&8: $(0.0 \div 1.55) * 100 = 0.00$

H. ELA Indicator Score: $(286.60 * .4471) + (0.0 * .5529) = 128.14 \rightarrow 100$
 Math Indicator Score: $(171.91 * .4512) + (0.0 * .5488) = 77.59$



ELA & Math Proficiency (HS) Example

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Group	ELA % Prof.	New Target	Points	Math % Prof	New Target	Points
All	29.47	31.73	92.88	24.02	28.09	85.51
White	37.50	42.66	87.90	26.92	38.00	70.84
Black	10.00	9.94	100	5.62	7.18	78.27
Hispanic	13.52	17.58	76.91	9.84	14.30	68.81
Asian	51.58	61.82	83.44	52.63	63.91	82.35
Pacific Islander	-	35.33		-	35.33	
Native American	-	23.31		-	20.13	
Multi-racial	43.48	35.47	100	43.48	30.19	100
EL	0.0	1.32	0	7.62	2.33	100
Former EL	28.38	22.78	100	22.85	21.97	100
CWD	12.20	16.55	73.72	4.88	13.63	35.80
Low Income	17.36	13.95	100	11.76	11.39	100

ELA & Math Proficiency Resources

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www.isbe.net/summative

2022 ELA and Math Proficiency Indicator Webinar

Friday, September 9, 2022 – 1:30 – 2:30 P.M.

SCHOOL IMPROVEMENT & ACCOUNTABILITY SUMMATIVE DESIGNATIONS

Summative designations help families and communities understand how well schools are serving all students. Illinois has four summative designations: Exemplary School, Commendable School, Targeted School, and Comprehensive School. Targeted schools and Comprehensive schools receive additional funding and supports to build local capacity and improve student outcomes. Multiple measures of school performance and growth determine a school's designation. The federal Every Student Succeeds Act requires states to provide a summative designation to each school with the required indicators, beginning in 2018. ISBE includes school designations annually in the Illinois Report Card at www.illinoisreportcard.com.

Individual Indicators

Illinois Balanced
Accountability Measure
Committee (IBAM)

Technical Advisory
Committee

ELA and Math Proficiency (ES and HS)

Federally required | Academic

ES Weight: 7.5 percent ELA proficiency and 7.5 percent math proficiency

HS Weight: 7.5 percent ELA proficiency and 7.5 percent math proficiency

Definition:

ELA and math proficiency is the percentage of students who meet proficiency criteria on the state's ELA and math accountability assessments. The federal Every Student Succeeds Act (ESSA) requires states to assess their learning standards for ELA and math annually in Grades 3-8 and at least once in high school. Each state may also have a general assessment for the majority of its students and an alternate assessment for the 1 percent of students with the most significant cognitive disabilities. A percentage is calculated by subject combining all tests.

Scoring:

A school or student group's proficiency percentage is divided by the applicable annual proficiency target. Baseline targets were set using the state proficiency rate for the applicable group, and targets grow annually until all groups have 90 percent proficiency (which is expected by 2033).

Indicator Points Formula:

$[\text{Group_Percent_Proficient} \div \text{Group_Annual_Proficiency_Target}] * 100$, scores capped at 100.

New for 2022!

ISBE submitted an amendment to its State Plan that creates new ELA and math proficiency targets using the spring 2021 assessment results as the new baseline.

Resources:

- ELA and Math Waiver Cohort Baseline and Annual Proficiency Targets and Long-Term Goals
 - Grades 3 and 4
 - Grades 5 and 6
 - Grades 7 and 8
 - Grade 11
 - All Grades

Annual ELA Proficiency Targets 3rd & 4th Grade

3 rd & 4 th Grade ELA	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	21.90	32.84	6.06	9.59	37.16	23.67	15.56	22.74	8.95	8.94	5.37	30.00
2023	28.09	38.04	13.69	16.90	41.97	29.70	22.32	28.85	16.32	16.31	13.06	35.45
2024	34.28	43.24	21.32	24.21	46.77	35.73	29.09	34.97	23.69	23.68	20.76	40.91
2025	40.47	48.43	28.95	31.52	51.57	41.76	35.86	41.08	31.05	31.05	28.45	46.36
2026	46.66	53.63	36.58	38.83	56.38	47.79	42.63	47.20	38.42	38.41	36.14	51.82
2027	52.85	58.82	44.21	46.14	61.18	53.82	49.39	53.31	45.79	45.78	43.84	57.27
2028	59.04	64.02	51.84	53.45	65.98	59.85	56.16	59.43	53.16	53.15	51.53	62.73
2029	65.23	69.22	59.48	60.76	70.79	65.88	62.93	65.54	60.53	60.52	59.23	68.18
2030	71.43	74.41	67.11	68.07	75.59	71.91	69.70	71.66	67.90	67.89	66.92	73.64
2031	77.62	79.61	74.74	75.38	80.39	77.94	76.46	77.77	75.26	75.26	74.61	79.09
2032	83.81	84.80	82.37	82.69	85.20	83.97	83.23	83.89	82.63	82.63	82.31	84.55
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual Math Proficiency Targets 3rd & 4th Grade

3 rd & 4 th Grade Math	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	21.00	32.43	3.72	7.49	42.54	22.54	14.84	17.97	7.04	10.78	6.03	28.77
2023	27.27	37.67	11.57	14.99	46.86	28.67	21.67	24.52	14.59	17.98	13.66	34.34
2024	33.54	42.90	19.41	22.49	51.17	34.80	28.51	31.07	22.13	25.18	21.30	39.90
2025	39.82	48.13	27.25	29.99	55.49	40.94	35.34	37.62	29.67	32.39	28.93	45.47
2026	46.09	53.37	35.10	37.49	59.80	47.07	42.17	44.16	37.21	39.59	36.56	51.04
2027	52.36	58.60	42.94	44.99	64.12	53.20	49.00	50.71	44.75	46.79	44.20	56.60
2028	58.63	63.83	50.78	52.49	68.43	59.33	55.84	57.26	52.29	53.99	51.83	62.17
2029	64.91	69.07	58.63	59.99	72.74	65.47	62.67	63.81	59.83	61.19	59.46	67.74
2030	71.18	74.30	66.47	67.50	77.06	71.60	69.50	70.36	67.38	68.39	67.10	73.30
2031	77.45	79.53	74.31	75.00	81.37	77.73	76.33	76.90	74.92	75.60	74.73	78.87
2032	83.73	84.77	82.16	82.50	85.69	83.87	83.17	83.45	82.46	82.80	82.37	84.43
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual ELA Proficiency Targets 5th & 6th Grade

5 th & 6 th Grade ELA	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	22.59	33.15	6.41	11.00	41.11	24.42	16.22	25.66	9.69	8.24	1.94	24.81
2023	28.71	38.32	14.01	18.18	45.55	30.38	22.93	31.51	17.00	15.67	9.94	30.74
2024	34.84	43.49	21.61	25.37	50.00	36.34	29.63	37.36	24.30	23.11	17.95	36.66
2025	40.97	48.66	29.21	32.55	54.44	42.30	36.34	43.21	31.60	30.54	25.96	42.59
2026	47.10	53.82	36.81	39.73	58.89	48.27	43.05	49.06	38.90	37.97	33.96	48.52
2027	53.23	58.99	44.41	46.91	63.33	54.23	49.76	54.91	46.20	45.40	41.97	54.44
2028	59.36	64.16	52.01	54.09	67.78	60.19	56.46	60.76	53.50	52.84	49.97	60.37
2029	65.49	69.33	59.61	61.27	72.22	66.15	63.17	66.61	60.80	60.27	57.98	66.29
2030	71.61	74.50	67.20	68.46	76.67	72.11	69.88	72.45	68.10	67.70	65.98	72.22
2031	77.74	79.66	74.80	75.64	81.11	78.08	76.59	78.30	75.40	75.13	73.99	78.15
2032	83.87	84.83	82.40	82.82	85.56	84.04	83.29	84.15	82.70	82.57	81.99	84.07
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual Math Proficiency Targets 5th & 6th Grade

5 th & 6 th Grade Math	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	17.18	26.16	2.63	6.31	41.23	18.17	11.34	17.48	5.41	7.05	1.57	18.53
2023	23.80	31.96	10.57	13.92	45.67	24.70	18.49	24.07	13.10	14.59	9.61	25.02
2024	30.42	37.76	18.52	21.53	50.10	31.23	25.64	30.67	20.79	22.13	17.65	31.52
2025	37.04	43.57	26.46	29.14	54.53	37.76	32.79	37.26	28.48	29.68	25.69	38.02
2026	43.66	49.37	34.40	36.74	58.97	44.29	39.94	43.85	36.17	37.22	33.73	44.52
2027	50.28	55.18	42.34	44.35	63.40	50.82	47.09	50.44	43.86	44.76	41.77	51.01
2028	56.90	60.98	50.29	51.96	67.83	57.35	54.24	57.04	51.55	52.30	49.81	57.51
2029	63.52	66.78	58.23	59.57	72.27	63.88	61.40	63.63	59.24	59.84	57.84	64.01
2030	70.14	72.59	66.17	67.18	76.70	70.41	68.55	70.22	66.93	67.38	65.88	70.51
2031	76.76	78.39	74.11	74.78	81.13	76.94	75.70	76.81	74.62	74.92	73.92	77.00
2032	83.38	84.20	82.06	82.39	85.57	83.47	82.85	83.41	82.31	82.46	81.96	83.50
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual ELA Proficiency Targets 7th & 8th Grade

7 th & 8 th Grade ELA	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	23.54	34.01	8.16	12.46	41.14	23.85	14.64	25.22	11.41	8.41	2.12	22.97
2023	29.58	39.10	15.60	19.51	45.58	29.86	21.49	31.11	18.56	15.83	10.11	29.06
2024	35.62	44.19	23.04	26.56	50.02	35.88	28.34	37.00	25.70	23.25	18.10	35.15
2025	41.67	49.28	30.48	33.61	54.46	41.89	35.19	42.89	32.85	30.66	26.09	41.25
2026	47.71	54.37	37.92	40.66	58.90	47.90	42.04	48.78	39.99	38.08	34.08	47.34
2027	53.75	59.46	45.36	47.71	63.35	53.92	48.90	54.67	47.13	45.50	42.07	53.44
2028	59.79	64.55	52.80	54.75	67.79	59.93	55.75	60.56	54.28	52.91	50.06	59.53
2029	65.83	69.64	60.24	61.80	72.23	65.95	62.60	66.44	61.42	60.33	58.04	65.62
2030	71.87	74.73	67.68	68.85	76.67	71.96	69.45	72.33	68.57	67.75	66.03	71.72
2031	77.92	79.82	75.12	75.90	81.12	77.97	76.30	78.22	75.71	75.17	74.02	77.81
2032	83.96	84.91	82.56	82.95	85.56	83.99	83.15	84.11	82.86	82.58	82.01	83.91
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual Math Proficiency Targets 7th & 8th Grade

7 th & 8 th Grade Math	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	18.01	26.90	3.89	7.89	40.70	17.61	10.26	20.85	6.76	6.90	1.55	17.61
2023	24.55	32.64	11.72	15.36	45.18	24.19	17.51	27.14	14.33	14.45	9.59	24.19
2024	31.10	38.37	19.54	22.82	49.66	30.77	24.76	33.42	21.89	22.01	17.63	30.77
2025	37.64	44.11	27.37	30.29	54.14	37.35	32.01	39.71	29.46	29.56	25.67	37.35
2026	44.19	49.85	35.20	37.75	58.62	43.93	39.26	46.00	37.03	37.12	33.71	43.93
2027	50.73	55.58	43.03	45.22	63.11	50.51	46.51	52.28	44.60	44.67	41.75	50.51
2028	57.28	61.32	50.86	52.68	67.59	57.09	53.76	58.57	52.16	52.23	49.79	57.09
2029	63.82	67.05	58.69	60.14	72.07	63.67	61.00	64.85	59.73	59.78	57.84	63.67
2030	70.37	72.79	66.51	67.61	76.55	70.26	68.25	71.14	67.30	67.34	65.88	70.26
2031	76.91	78.53	74.34	75.07	81.04	76.84	75.50	77.43	74.87	74.89	73.92	76.84
2032	83.46	84.26	82.17	82.54	85.52	83.42	82.75	83.71	82.43	82.45	81.96	83.42
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual ELA Proficiency Targets High School

High School ELA	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	31.73	42.66	9.94	17.58	61.82	35.47	23.31	35.33	13.95	16.55	1.32	22.78
2023	37.03	46.96	17.21	24.16	64.38	40.43	29.38	40.30	20.86	23.23	9.38	28.89
2024	42.33	51.27	24.49	30.75	66.94	45.39	35.44	45.27	27.78	29.90	17.45	35.00
2025	47.62	55.57	31.77	37.33	69.50	50.35	41.50	50.24	34.69	36.58	25.51	41.11
2026	52.92	59.87	39.05	43.91	72.07	55.30	47.56	55.21	41.60	43.26	33.57	47.22
2027	58.22	64.18	46.33	50.50	74.63	60.26	53.63	60.18	48.52	49.94	41.63	53.33
2028	63.52	68.48	53.61	57.08	77.19	65.22	59.69	65.15	55.43	56.61	49.69	59.44
2029	68.81	72.79	60.89	63.67	79.75	70.17	65.75	70.12	62.34	63.29	57.75	65.56
2030	74.11	77.09	68.16	70.25	82.31	75.13	71.81	75.09	69.26	69.97	65.82	71.67
2031	79.41	81.39	75.44	76.83	84.88	80.09	77.88	80.06	76.17	76.65	73.88	77.78
2032	84.70	85.70	82.72	83.42	87.44	85.04	83.94	85.03	83.09	83.32	81.94	83.89
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00



Annual Math Proficiency Targets High School

High School Math	All	White	Black or African American	Hispanic or Latino	Asian	Two or More Races	American Indian or Alaska Native	Native Hawaiian or Other Pacific Islander	Low Income	Child With a Disability (CWD)	English Learner	Former English Learner
2022	28.09	38.00	7.18	14.30	63.91	30.19	20.13	35.33	11.39	13.63	2.33	21.97
2023	33.72	42.73	14.71	21.18	66.28	35.63	26.49	40.30	18.53	20.58	10.30	28.15
2024	39.35	47.46	22.24	28.06	68.65	41.07	32.84	45.27	25.68	27.52	18.27	34.34
2025	44.97	52.18	29.77	34.95	71.02	46.50	39.19	50.24	32.83	34.46	26.24	40.52
2026	50.60	56.91	37.30	41.83	73.40	51.94	45.54	55.21	39.97	41.40	34.21	46.71
2027	56.23	61.64	44.83	48.71	75.77	57.38	51.89	60.18	47.12	48.35	42.18	52.89
2028	61.86	66.37	52.35	55.59	78.14	62.82	58.24	65.15	54.27	55.29	50.15	59.08
2029	67.49	71.09	59.88	62.47	80.51	68.25	64.59	70.12	61.41	62.23	58.12	65.26
2030	73.12	75.82	67.41	69.35	82.88	73.69	70.95	75.09	68.56	69.17	66.09	71.45
2031	78.74	80.55	74.94	76.24	85.26	79.13	77.30	80.06	75.71	76.12	74.06	77.63
2032	84.37	85.27	82.47	83.12	87.63	84.56	83.65	85.03	82.85	83.06	82.03	83.82
2033	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00	90.00

